APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Electrolytic Production of Lithium-calcium Alloys, by G. Val'dman, 18 pp.

RUSSIAN, par., Metallurg., Vol XII, No 8, 1937, pp 85-92.

Sci Tr Center RT-779
OTS 77-63-20765

Scientific - Chemistry 10,660

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Zamotorin, M. I.
DIAGRAM OF STATE OF ALLOYS OF CALCIUM WITH LITHIUM. [1963] 8p (figs omitted)
Order from K-H $3.00 K-H 5866 b

Trans. of Metallurg [Leningrad] (USSR) 1938, v. 13, no. 1, p. 96-99.

DESCRIPTORS: *Lithium alloys, *Calcium alloys, Alloys, Metallurgy.

SLA TT-64-18500

(Metallurgy--Light Metals, TT, v. 10, no. 12)

63-22848

I. Zamotorin, M. I.
II. K-H-5866-b
III. Kresge-Hooker Science Library Associates, Detroit, Mich.

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The Application of the Van't Hoff Equation to Equilibrium in Binary Copper Alloys, by M. V. Maltsev, 6 pp.

RUSSIAN, per, Metallurg, Vol XIII, No 3, 1938, pp 15-19.

SLA R-2550

94,555

Sci
Aug 59

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

18-8 Steel With Increased Carbon Content and Titanium or Beryllium Additions, by N. Vyaznikov, E. Andreyeva.

RUSSIAN, per, Metallurg, Vol XIII, Nos 7, 8, 1938.

Brutcher Tr 635

Scientific - Min/Metals

#1.70 12,779

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Mechanism of Eutectic Crystallization of White Cast Iron, by K. Bunin, S. Rapoport.

RUSSIAN, per, Metallurg, No 11(107), 1938, pp 29-34.

BCIRA 1004

Sci & Engr

Sep 61

168, 574

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Control of the Basic Open-Hearth Process by Petrographic Analysis of the Slag, by P. P. V. Umrikhin, V. V. Lapin, 17 pp.

Ru

RUSSIAN, per; Metallurg, Vol XIII, No 11, 1938, pp 72-79.

SLA R-3350

Sci

Aug 59

95,700

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

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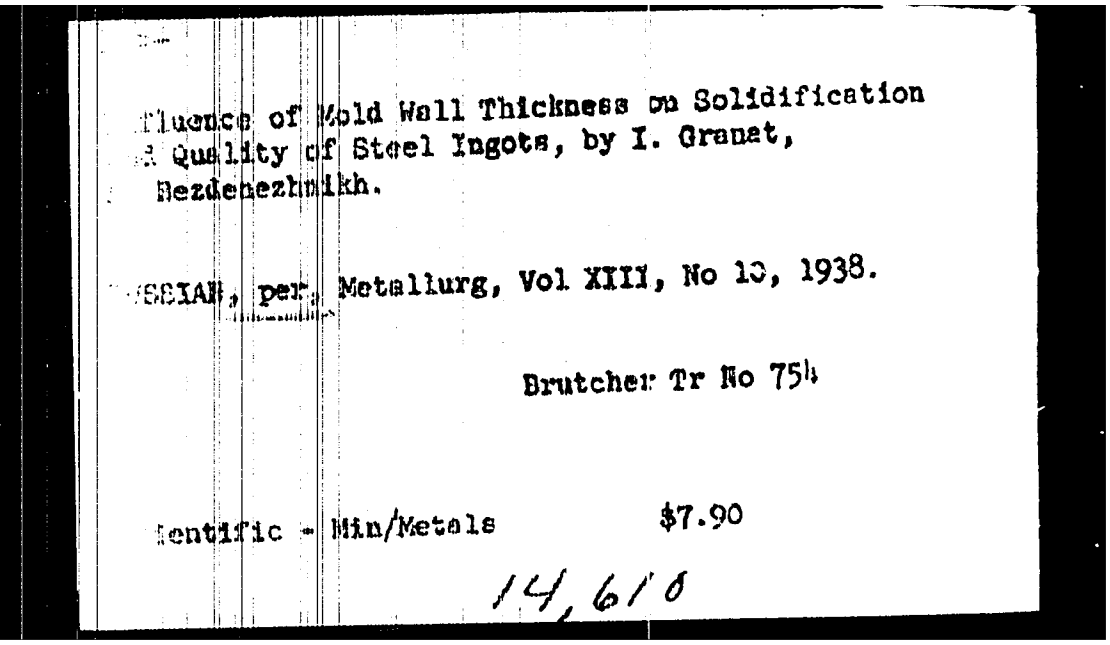

fluence of Mold Wall Thickness on Solidification
Quality of Steel Ingots, by I. Granat,
Bezdenezhnikh.

SSSIAM, per. Metallurg, Vol XIII, No 10, 1938.

Brutcher Tr No 754

Scientific - Min/Metals $7.90

14,610

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Vanadium Oxides in Iron-Refining Slags,
by A. N. Morozov.

RUSSIAN, per, Metallurg, Vol XIV, No 1, 1939,
pp 15-27.

Navy Tr 1319/BuShips 601

Scientific - Metals/Minerals
Cal 56 CPB/dex

36,255

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Aging of Undercooled Austenite in High Speed Steel,
by I. Bornatskiy.

RUSSIAN, Per. Metallurg, Vol XIV, No 3, 1939.

Brutcher Tr No 734

Scientific - Min/Metals $3.10

14,689

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Transformation of Retained Austenite At Sub-Zero Temperatures With High-Alloy Steels, by A. Bulychev.

RUSSIAN, per, Metallurg, Vol XIV, No 3, 1939, pp 64-71

H

Brutcher Tr No 724

16,752

Scientific - Min/Metals $3.10

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Roentgenographic Study of Titanium Diox[illegible] Reduction, by Ye. Belyakova, A. Kovav, V. Mikhaylov, 6 pp.

Full tr

RUSSIAN, per, Metallurg, No 4/5, 1939, pp 23-25.

ATIC F-TS-8916/III

44, 850

Sci - Min/Metals
Dec 1956 CPB/dex

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Reduction of Silicon and Aluminum, by M. S. Maksimenko, 11 pp.

RUSSIAN, per, Metallurg, Vol XIV, No 4-5, 1939, pp 26-34.

SLA R-2252

Sci

Aug 58

72,552

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Influence of Mold Design Upon Quality of Bottom-poured Ingots, by P. Usrikhin, A. Rogorodskiy.

RUSSIAN, Mer, Metallurg., Vol XIV, No 6, 1939.

Brutcher Tr, Order No 812, $1.00

Scientific - Min/Metals

15,146

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

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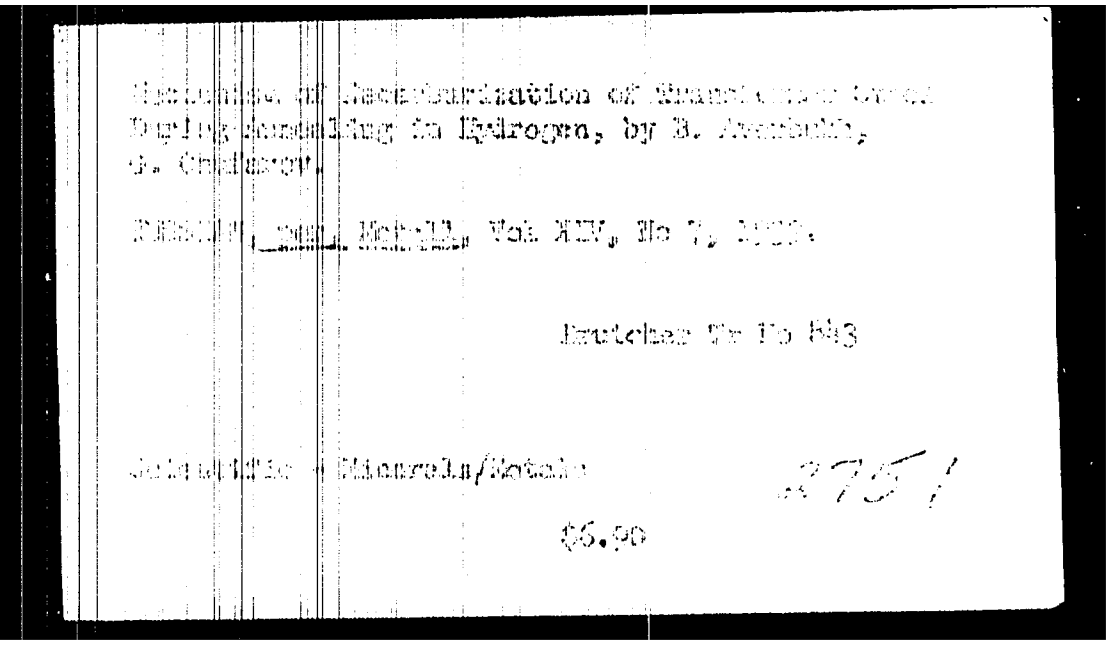

Deterioration of Characteristics of Quartz-Mica Coral Bearings Resulting in Hydrogen, by B. Averbach, G. Cadenhead.

[illegible] Lubr., Vol XIV, No 1, 1962.

Database Tr No 843

[illegible] Minerals/Metals

375

$6.90

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

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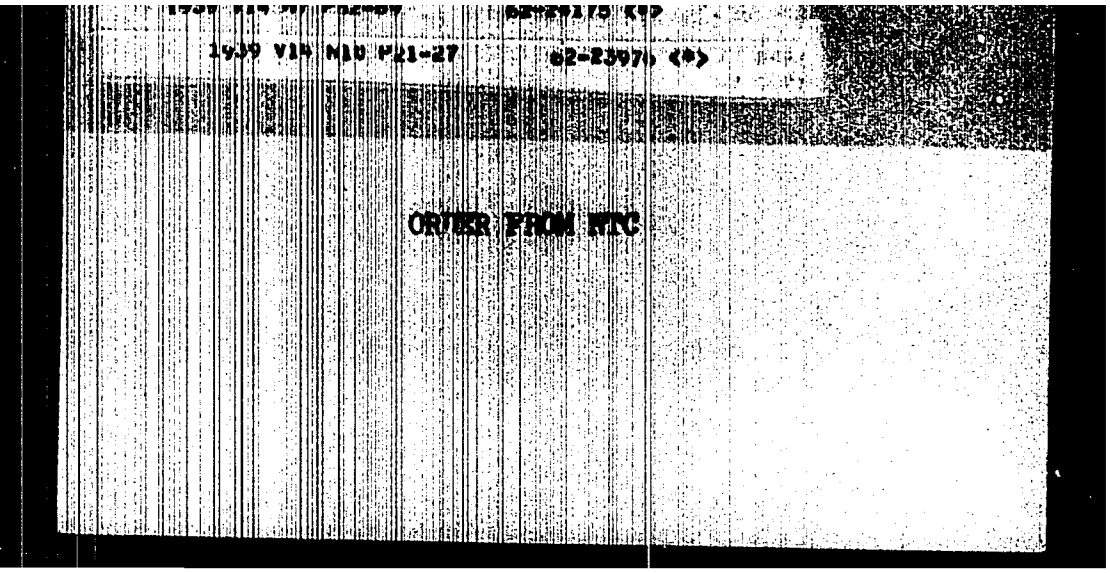

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Specific Pressure and Spreading in the Hot Rolling of Steels EYa-1 and U-8-A as Compared With Low-Carbon Steel (1010), by N. I. Svede-Shvets.

RUSSIAN, per, Metallurg, No 7, 1939, pp 82-89.

BISI 31

Sci - Min/Metals

169 963

Sep 61

list 111

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Production of High-Quality Aluminum Alloys by Direct Reduction of Ore (Electrothermal Silumin), by L. N. Sergeyev and B. I. Rimmer, 15 pp.

RUSSIAN, per, Metallurg, Vol CXIV, No 9, 1939, pp 33-44.

SLA R-2247

Sci
Aug 58

72,557

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

THE QUESTION OF RUNNING BLAST-FURNACES ON IRON COKE, BY K. V. MESSERLE, G. S. GERASIMCHUK.

RUSSIAN, PER, METALLURGII, NO 10, 11, 1938, PP 21-27.

NLL M.3412

SCI - ENGR

JUN 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Calibration Which Takes into Account Elastic Deformations and Their Experimental Investigation, by Y. M. Paynberg.

RUSSIAN, per, Metallurg, No 10/11, 1939, pp 141-148.

NLL M.3414

Sci - Min/Met

193, 917

Apr 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Physico-Chemical Investigations of Ferro-silicon, by N. Agreev, and others.

RUSSIAN, per, Metallurg, Vol XV, No 1, 1940.

Brutcher Tr 1691

Scientific - Chemistry $4.35

12,893

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Electrothermic Ferroaluminium, by M. S. Maksimenko, 3 pp.

RUSSIAN, per, Metallurg, Vol XV, No 1, 1940, pp 57, 58.

Sci Tr Center
RT-2252

Scientific - Physics CTS 69/Jun 55

24,715

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

On the Austenite Transition, by T. A. Lebedev.
RUSSIAN, per, Metallurg, Vol 15, 1940, pp 61-63.
*CFSTI TT 70-59123

Sci-
June 70

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Karnaukhov, M.M.
PRESENT-DAY WROUGHT-IRON PRODUCTION PRACTICE. 8 p. 1 ref. MTWL: 675
Order from OTS or ETC $1.55 61-17187

Trans. of Metallurg (USSR) 1940, no.2, p. 16-20.

DESCRIPTORS: *Wrought iron, *Metallurgy, Steel, Slags.

61-17187

I. Karnaukhov, M.M.
II. MTWL-675
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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Chromium-Tungsten-Vanadium Steels as Substitutes for 18-4-1 Steel, by I. Bornatskiy, E. Radyukov.

RUSSIAN, per, Metallurg, Vol XV, No 4, 1940.

Brutcher Tr No 1170

Scientific - Min/Metals $4.30

15,802

A

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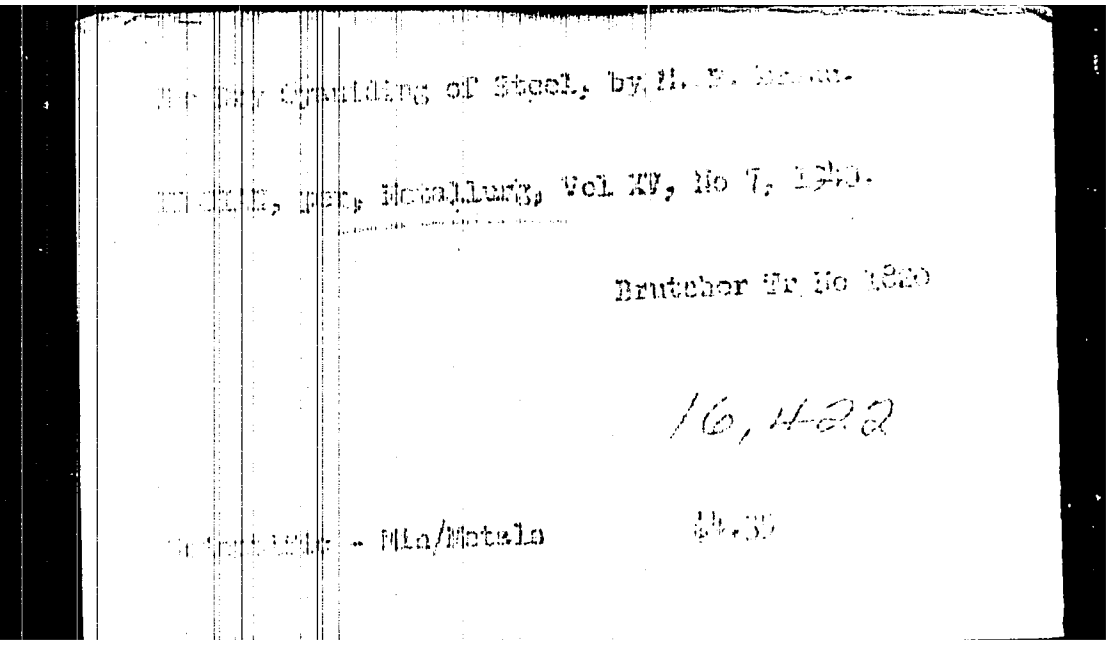

[illegible] Cracking of Steel, by [illegible]

[illegible], Iron, Steel, Vol XV, No 7, 1940.

Brutcher Tr No 1820

16,422

[illegible] - Mln/Metals

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Effect of Convection on the Distribution of Temperature in Liquid Metal, by V. O. Gagen-Torn M. B. Gokhshteyn

RUSSIAN, per, Metallurg, Vol XV, No 9, 1940, pp 19-22.

Brutcher No 3485
$2.60

43030

Sci - Min/Metals
Jan 57 CTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Dispersion Hardening of High Alloy Chrome-Manganese-Titanium Steel, by A Borrdikn.

RUSSIAN, per, Metallurg, Vol XV, No 10, 1940.

Brutcher Tr No 1289

Scientific - Min/Metals $2.00

15,813

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

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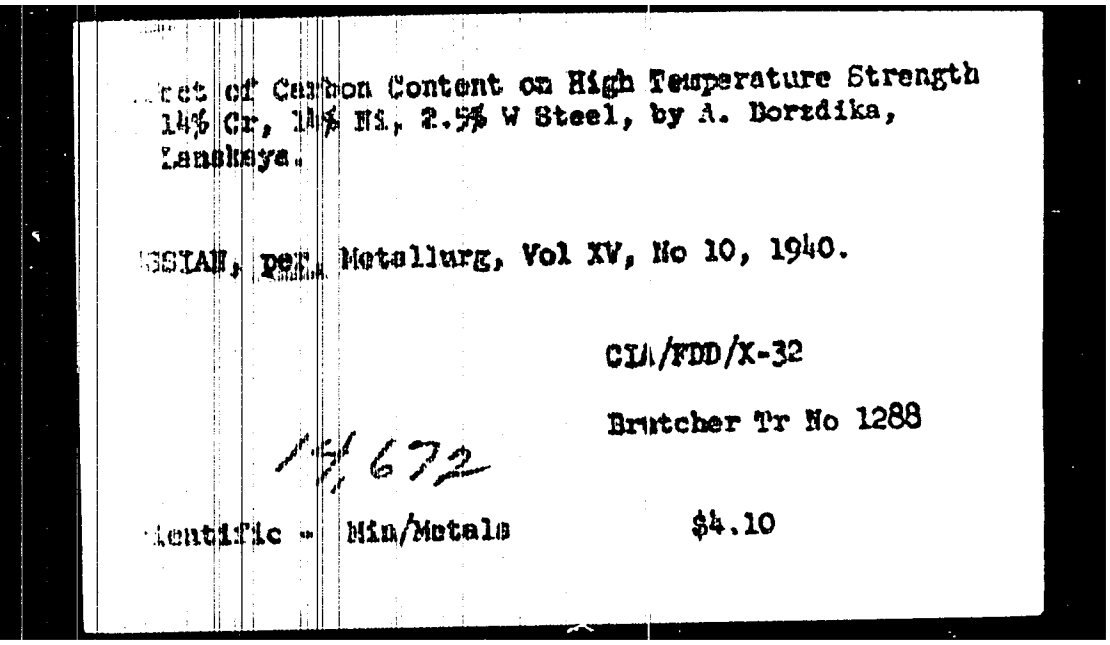

...ect of Carbon Content on High Temperature Strength
14% Cr, 1[illegible]% Ni, 2.5% W Steel, by A. Borzdika,
Zaslavye.

...SSIAN, per. Metallurg, Vol XV, No 10, 1940.

CIA/FDD/X-32

Brutcher Tr No 1288

14672

...entific - Min/Metals $4.10

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

The Aging of Chromium Stainless Steels, by L. Emk Palatnik, V. Darkov.

RUSSIAN, pub, Metallurgy, Vol XV, No 11-12, 1940.

Brutcher Tr 1306

Scientific - Minerals/Metals

$1.85

14,440

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Technology of Refractoris, by V. I. Perevalov.
RUSSIAN, per, Metallurgizdat, 1944, pp 120-147.
*AFCRL

Sci/Phys
Dec 68

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Modern Methods for Melting Down and Refining Light Metals, by K. Schnigler.

RUSSIAN, per, Metallurg, Vol III, No 1/2, 1949, pp 1-10.

Dept of Int
US Bur of Mines
Eastern Exp Sta
College Park, Md.

Sci - Engr

Apr 59

84,634

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Purification of Gases with Ethanolamine Solutions, by N. N. Egorov, M. M. Dmitriev and D. D. Zyuov, 94 pp.

RUSSIAN, per, Metallurgizdat, 1950, pp 110-141, Chap 13. (Loan Copy Only).

BIA R-2082

Sci

Aug 58

71,376

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

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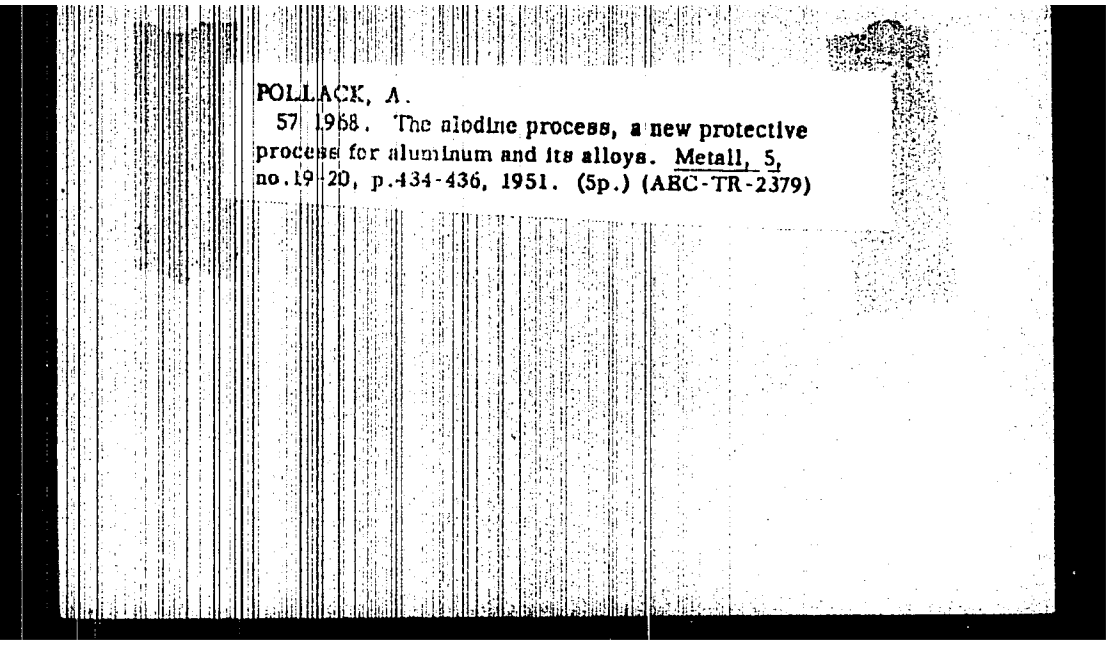

POLLACK, A.
57 1968. The alodine process, a new protective process for aluminum and its alloys. Metall, 5, no.19-20, p.434-436, 1951. (5p.) (AEC-TR-2379)

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

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Soviet Alloy Compositions. UNCL

RUSSIAN, bk, Metallurgiya, 1956.

*CB

May 60
(from LLU Tr Bul Apr 60)

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Use of Oxygen for Increasing the Open Hearth Production, by A. V. Leshov

RUSSIAN, mo per, Metallurg, Vol I, ~~No~~ No 1, 1956, pp 7-9.

Brutcher
Rumbnk Tr 3756
$2.80

38,543

Sci - Min/Metals
Sep 56 CTS

AS&TB GB 70

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Melting of Stainless Steel With Oxygen Lancing [in Electric Arc Furnace], by N. I. Shutkin.

RUSSIAN, mo per, Metallurg, Vol I, No 1, 1956, pp 10, 11.

Henry Brutcher Tr No 3759
$2.90

47,039

Sci - Min/Metals
Apr 1957 CIS/dex

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Production of High-Grade Rimming Steel for (Deep Drawing) Car Sheet, by F. T. Antonyk Antonyuk et al.

RUSSIAN, mo per, Metallurg, No 1, 1956, pp 24-27.

Co-Op Br Sch Tr 271
£1.12s.

42, 312

USSR
Economic

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Ramming of Runners From Blast Furnace With a Carbonaceous Composition, by M. K. Vasil'yev.

RUSSIAN, mo per, Metallurg, Vol I, No 1, 1956, p 20.

Henry Brutcher
Tr 3901
$1.50

Sci - Min/Metals, metallurgy 50,726
Aug 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Development of the Process of Continuous Casting of Steel, by M. S. Boychenko, B. S. Rutes, V. V. Ful'macht, 12 pp.

RUSSIAN, mo per, Metallurg, No 2, 1956, pp 7-11.

Sci Mus Lib No 56/2870

43,438

Sci-Min/metals

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Determination of the Weight of Liquid Steel in the Ladle During Pouring, by A. P. Rogach, et al.

RUSSIAN, mo per, Metallurg, No 2, 1956, p 38.

Co-Op Tr Sch Tr 281
8s.0d.

Sci - Physics

42,280

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Oreshkin, G. G.
EXPERIMENTAL RUNNING OF BLAST-FURNACES WITH AN UNCONVENTIONAL SYSTEM OF COOLING THE SHAFT AND BOSH. Apr 57 [10]p. BISI-521; [DSIR LLU] M. 2760.
Order from OTS or SLA $1.10 61-23301

Trans. of Metallurg (USSR) 1956 [v. 1] no. 3, p. 1-7.

DESCRIPTORS: *Blast furnaces, *Cooling, Operation. Tests.

Ten years of experience with one furnace with slab (vertical) cooling plates and 2 years experience with another have shown that cast-iron slab cooling plates with recesses filled with bricks, the plates being placed along rational furnace contours, make it possible to get a better configuration of the furnace interior through a fundamental change of the furnace lines, involving a considerable increase of the height and diameter of the [illegible] and a considerable reduction of the height of the
(Metallurgy, TT, v. 6, no. 7) (over)

61-23301

I. Oreshkin, G. G.
II. BISI-521
III. DSIR LLU M. 2760
IV. British Iron and Steel Industry Translation Service

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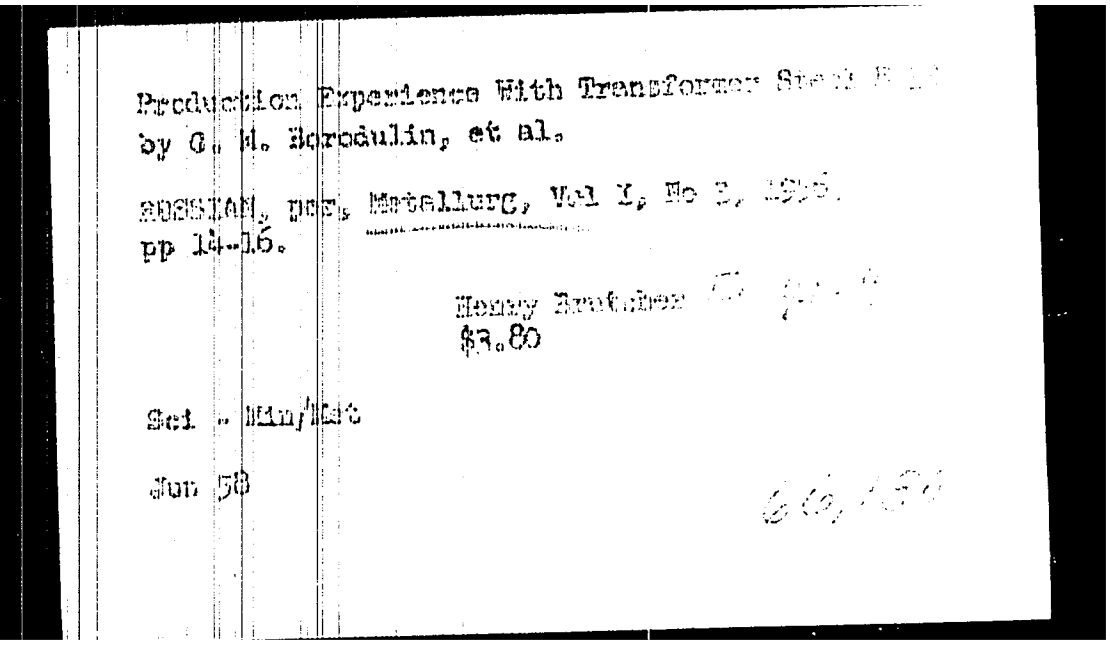

Production Experience With Transformer Steel [illegible]
by G. M. Borodulin, et al.

RUSSIAN, per. Metallurg, Vol 1, No 3, 1956.
pp 14-16.

Henry Brutcher
$3.80

Sel - Mn/Mo

Jun 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Injection of Pulversized Fuel through Tuyeres Into the Hearth of a Blast Furnace, by V. I. Loginov, et al. USCI.

RUSSIAN, per, Metallurg, No 4, 1956, pp 10-12.

DSIR LLU (loan) M.409

Sci - Engr
Aug 59

94, 855

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Critical Problems in the Control of Blast Furnace Operation, by L. Ya. Shparber.
RUSSIAN, per, Metallurg, No 5, 1956, pp 3-7.
BISI 4633

319,321

Sci - Mechanical, Industrial
Civil, and Marine Engineering
Feb 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Application of Compressed Air for Open-Hearth Flame Intensification, by M. G. Koshanov, G. B. Nogov.
RUSSIAN, per, Metallurg, Jul 1956, pp 18-19.
(TMB 134)
INFO 8X-11

314,374

Sci - Mechanical, Industrial, Civil, and Marine Engineering
Nov 66

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

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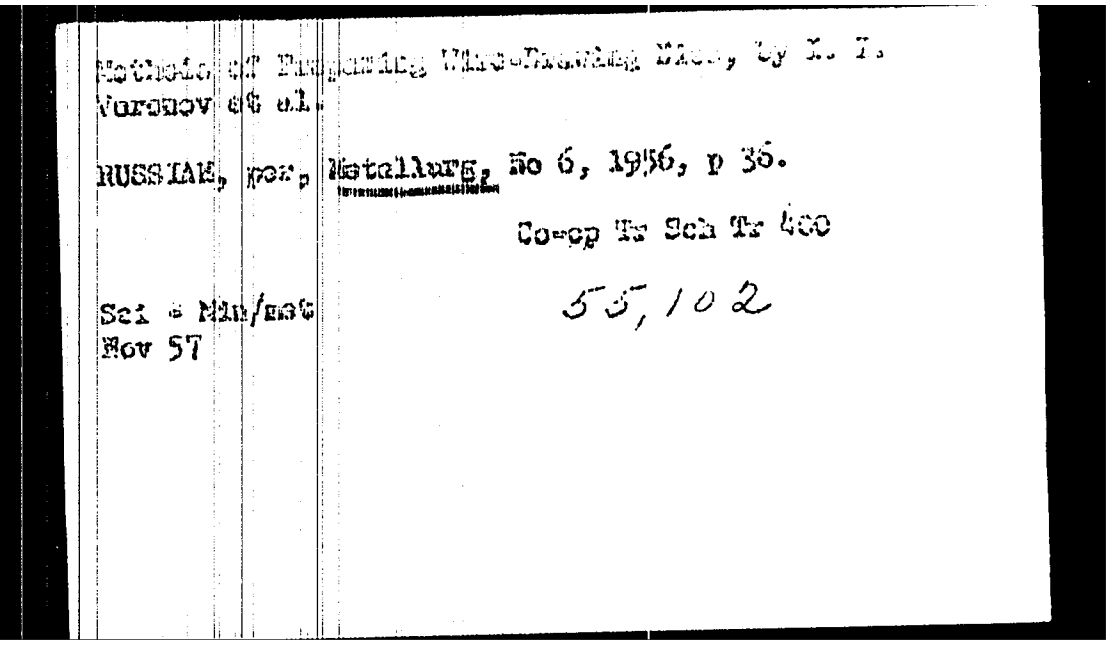


Machine at Pumping Wind-Tunnel Mine, by K. I. Voronov et al.

RUSSIAN, Metallurg, No 6, 1956, p 36.

Co-op Tr Sch Tr 400

55,102

Sci & Min/Met
Nov 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

The Vacuum Technique in Metallurgy, by B. V. Linchevskiy. UNCL

RUSSIAN, per, Metallur, No 7, 1956, pp 3-6.

Co-Op Tr Scheme 356

Sci - Min/Mining Met
Jun 59

88,434

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Use of Compressed Air for a Sharper Flame in the Open-hearth Furnace, by M. G. Kozhanov, G. B. Rogov.

RUSSIAN, per, Metallurg, Vol I, No 7, 1956, pp 18-21.

Brutcher Tr 3916
$2.25

Sci - Min/Met

Apr 58

61,439

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Piercing Open-Hearth Tap Holes with Hollow Charges, by N. S. Shchirenko, et al

RUSSIAN, mo per, Metallurg, Vol I, No ~~x~~ 7, 1956, pp 31-34.

Brutcher No 3834
$3.90

41, 428

Sci - Min/Metals
Dec 56 CTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Experience in the Vacuum-Treatment of Metal, by V. G. Speranskiy.

RUSSIAN, per, Metallurg, No 8, 1956, pp 12-15.

Co-Op Trans Sch Tr 336
$1.12s.

9,480

Sci - Min/met
Jul 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Pouring of Steel Ingots With Electric Arc Heating of Their Heads, by B. N. Popov.

RUSSIAN, per, Metallurg, Vol I, No 9, 1956, pp 19-22.

Brutcher Tr 4029
$3.90

Sci - Min/Met

Jan 58

57,364

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Production of Self-Fluxing Sinter From Fine Concentrates, by L. R. Migutskiy.

RUSSIAN, mo per, Metallburg, Vol I, No 10, 1956, pp 5-7.

Henry Brutcher Tr 3851

$3.40

44,151

Sci - Minerals/Metals
Feb 1957 CTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Increasing the Life of Ladles, by N. A. Roboklin.

RUSSIAN, per, Metallurg, No 10, 1956, pp 19-20.

Co-op Tr Sch Tr 377

Sci - Engr
Nov 57

53,080

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Experience in the Operation of 500-Ton Open Hearth Furnace, by D. S. Limatskiy et al.

RUSSIAN, per, Metallurg, No 11, 1956, pp 12-15.

Co-op Tr Sch Tr 376

Sci - Engr
Nov 57

55, 081

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

A New Method of Deoxidizing Steel 12 G 2A, by A. I. Martinov.

RUSSIAN, per, Metallurg, No 11, 1956, p 22.

Co-op Tr Sch Tr 375

535,079

Sci - Min/met
Nov 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Ingot Molds of Magnesium-Treated Spheroidal-Graphite Cast Iron, by G. A. Pisarenko.

RUSSIAN, per, Motallurg, No 12, Dec 1956, pp 16-19.

Brutcher Tr 4203
$4.25

Sci - Min/Met

Aug 58

68,193

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Ways of Minimizing Edge Cracks (in Rolling of Electric Sheet), by N. F. Dubrov.

RUSSIAN, mo per, Metallurg, Vol I, No 12, Moscow, 1956, pp 22, 24.

23

Henry Brutcher Tr 4019
$1.90

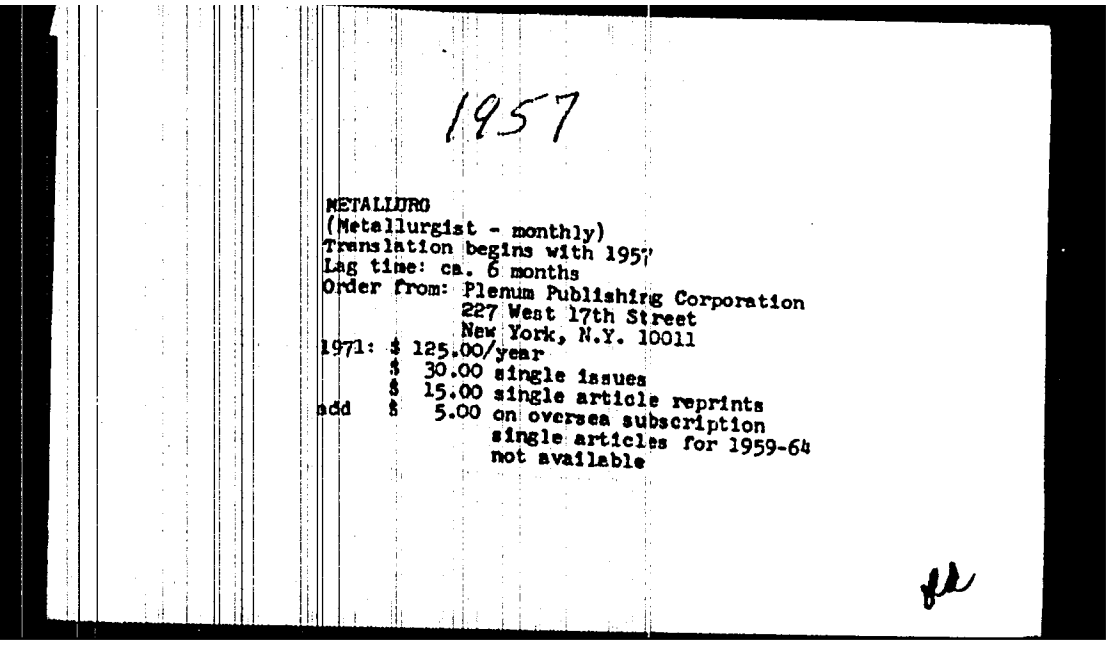
Sci - Min/Metal, Dynamo steel

57,022

Jan 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3



1957

METALLURG
(Metallurgist - monthly)
Translation begins with 1957
Lag time: ca. 6 months
Order from: Plenum Publishing Corporation
227 West 17th Street
New York, N.Y. 10011
1971: $ 125.00/year
$ 30.00 single issues
$ 15.00 single article reprints
add $ 5.00 on oversea subscription
single articles for 1959-64
not available

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

METALLURG 1957 - No 12, 1958

COVER - COVER CONSULTANTS BUREAU

AVAILABLE LY SERIALS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

METALLURG No 1 1959 - No 12, 1960

COVER - COVER: ACTA METALLURGICA

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

METALLURG NO 1, 1961

COVER - COVER: ACTA METALLURGICA

NOS. 2 through 12, 1961: NOT AVAILABLE LY SERIALS.

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Volatilization of Nickel During a
Blast-furnace Heat of Moist Limonites,
by D. K. Benevolenskii.
RUSSIAN, Metallurgizdat, 1961,
pp 24-33.
BISI 3451

Sci/M&M
Aug 63

284,712

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

The Screening of Hot Sinter, by L. M. Rudakov, J. J. Gorshtein.

RUSSIAN, per, Metallurg, Vol VI, Feb 1961, pp 3, 4.

BISI 2154

Sci - Engr

Jun 61

154,554

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Errors in the Control of the Gas Flow (in a Blast Furnace), by N. N. Chernov.

RUSSIAN, per, Metallurg, Vol VI, No 2, 1961, pp 4-6.

MT 182

Sci - Fuels

Jul 62

List No 57

203, 438

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Borodenchik, N. K. [Dikalov, A. I.] and others.
A THREE-BELL CHARGING MECHANISM. Pub. 62.
Order from MT [illegible] 15¢ MT Trans-183

Trans. of *Metallurg (USSR) 1961, v. 6, no. 2, p. 7-11.

DESCRIPTORS: *blast furnaces, industrial equipment.

(Metallurgy, FT, 9 Sep 63) 1)

62-17043

I. Borodenchik, N. K.
II. Dikalov, A. I.
III. MT Trans-183
IV. Tollemache, M. de O.
(Gt. Brit.)

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Flame Improvement in the Combustion Zone, by G. I. Moiseevich, E. M. Konsratev.

GERMAN, per, Metallurg, Vol VI, No 2, 1961, pp 20-22.

MT 184

Sci - Engr
Feb 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Borodii, N. P.
A MILL FOR ROLLING ROUND SECTIONS OF CHANGING CROSS-SECTION. Mar 61.
Order from MT £ 2 2s MT Trans-185

Trans. of #Metallurg (USSR) 1961, v. 6, no. 2, p. 23-24.

DESCRIPTORS: *Rolling mills, Design, Rods.

(Machinery--Manufacturing, TT, v. 6, no. 8)

61-25322

I. Borodii, N. P.
II. MT Trans-185
III. Tollemache, M. de O. (Gt. Brit.)

25224

Office of Technical Servi...

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Magnetic Roasting of Iron Ores, (In Countries who are Members of the S.E.V. (the East European Council for Mutual Economic Aid)), by G. V. Gubin.

RUSSIAN, per, Metallurg, Vol VI, Mar 1961.

BIBI 2338

Sci - Min/Metals

168 479

Sep 61

list 108

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Jalousie-Type Dust Catchers for Gas Cleaning,
by V. D. Kanfer, M. S Shklyar.

RUSSIAN, per, Metallurg, Vol VI, Mar 1961.

BIBI 2337

Sci - Engr

Sep 61

list 108

168.478

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Movement of Gases and Materials in the Blast Furnace, by V. I. Loginov.

RUSSIAN, per, Metallurg, Vol VI, No 3, 1961, pp 6-9.

MT 193

Sci - Engr

Sep 61

168,560

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Effect of Handling Operations on the Change in the Particle Size Distribution of Sinter, by L. N. Rudakov, I. I. Gorshtein.

RUSSIAN, per, Metallurg, Vol VI, No 4, 1961, pp 4-6.

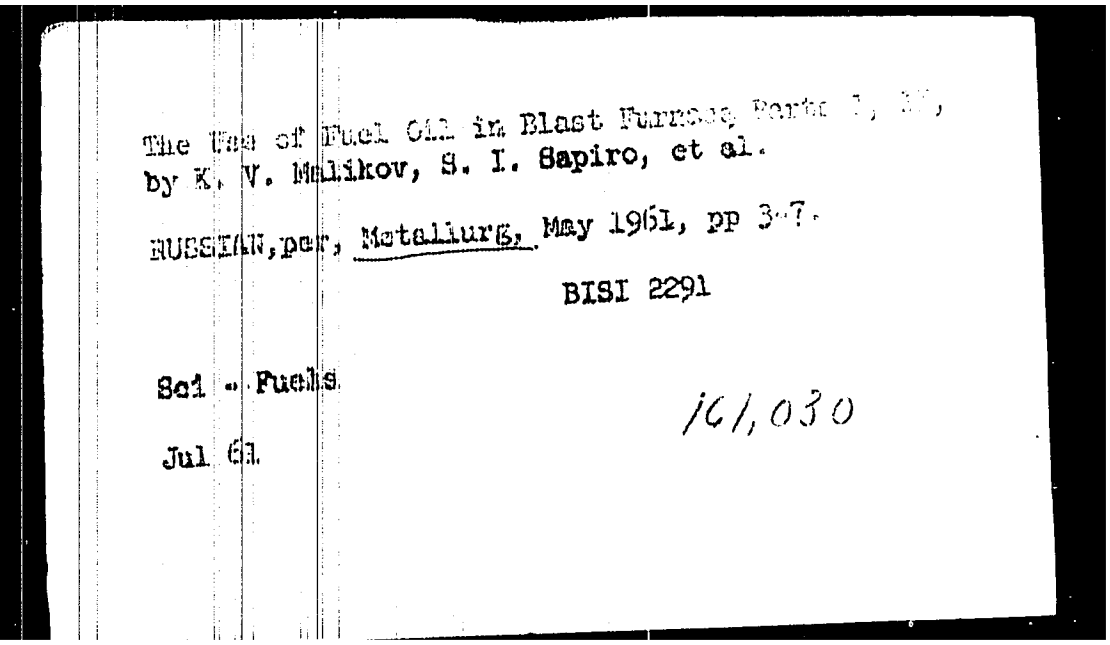
MF 194
BISI 1451
168,583

Sci - Engr

Sep 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3



The Use of Fuel Oil in Blast Furnaces, Parts I, II,
by K. V. Mulikov, S. I. Sapiro, et al.

RUSSIAN, per, Metallurg, May 1961, pp 3-7.

BISI 2291

Sol - Fuels

Jul 63

161,030

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Automatic Control of the Rate of Inclination of the Ladle During the Pouring of Pig Iron, by V. I. Beloshabskiy, A. L. Shteinar.

RUSSIAN, per, Metallurg, Vol VI, No 5, 1961, pp 10-12.

MT 202

Sci - Engr

168, 608

Sep 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Surface Defects on Rolled Steel, by P. Ya. Ryzhkov, R. M. Shereshevskaya.

RUSSIAN, per, Metallurg, No 5, 1961, pp 25, 26.

HB 5192

Sci - Chem, Min/Metals

Aug 61

164,307

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Blowing in of Blast Furnaces of 1717 m^3 Capacity,
by E. V. Kochinev, et al.

RUSSIAN, per, Metallurg, Vol VI, No 6, 1961,
pp 3-7.

MT 219

Sci - Engr

Sep 62

210,968

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Errors in the Control of the Gas Flow and the Distribution of Materials in the Throat, by Yu. A. Orlov.

RUSSIAN, per, Metallurg, Vol VI, No 6, 1961, pp 7-9.

NT 220

Sci - Fuels

203,440

Jul 62

List No 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Wear on the Refractory Lining of a Blast Furnace of 1719 m^3 Capacity, by I. M. Galemin, N. K. Fridman.

[redacted], per, Metallurg, Vol VI. No 6, 1961, pp 9-12.

MT 221

Sci - Engr
Feb 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Trial Operation of a 400-Ton Open-Hearth Furnace on High-Pressure Natural Gas. by G. A. Fedol'skaya.

RUSSIAN, per. Metallurg, No 6, 1961, pp 13-16.

HB 5213

Sci - Engr
Dec 61

175,001

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Rapid Burning In of a Hearth, by V. L. Maksimov.

GERMAN, per, Metallurg, Vol VI, No 6, 1961, pp 17-18.

MT 222

Sci - Engr
Feb 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Operation of a Blast Furnace With the Addition of Natural Gas to the Blast, by B. N. Starshinov.

[redacted], Per, Metallurg, Vol VI, No 7, 1961, pp 4-8.

MT 223

Sci
Feb 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Firing and O.H. Furnace With a Mixture of Coke-Oven and Natural Gas, by M. M. Khil'ko, M. S. Shklyar.

[redacted]N, per, Metallurg, Vol VI, No 7, 1961, pp 11-13

MT 229

Sci
Feb 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Livenets, I. A.
HYDRAULIC CONTROL OF THE STOPPER MECHANISM OF A STEELMAKING LADLE. Dec 62.
Order from MT $11.30 MT Trans-223

Trans. of #Metallurg (USSR) 1961, v. 6, no. 7, p. 13-17.

DESCRIPTORS: *Hydraulic power systems, Control, *Steel industry, *Industrial equipment, Smelting.

(Metallurgy, TT, v. 9, no. 6)

63-12559

1. Title: Ladle stoppers
I. Livenets, I. A.
II. MT Trans-223
III. Tollemache, M. de O. (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Stamping of Metal in the Flow Line of the Mill: Automatic Stamping of Hot Metal in Blooming and Slabbing Mill, by G. S. Yakimenko, B. M. Barbashin

Germ:
[redacted], per, Metallurg, Vol VI, No 7, 1961,

MT 224

Sci
Feb 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

A Stamping Mechanism Without Guides in a Rail Rolling Mill, by L. N. Gorodetskiy,

[redacted]N, per, Metallurg, Vol VI, No 7, 1961.

MT 225

Sci
Feb 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Control of the Running of a Blast Furnace by the Differences in Gas Pressure at Various Levels, by M. M. Gladkiy.

RUSSIAN, per, Metallurg, Vol VI, No 8, 1961, pp 4-6.

MT 226

Sci - Engr

210,969

Sep 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

(NY-7001)

Ferrous Metallurgy in the Hungarian Peoples Republic, by Ishtvan Garamvelgi, 9 pp.

RUSSIAN, per. Metallurg, No 8, 1961, pp 38, 39.

JPRS 13167

[redacted] EE - Hungary
Econ
Apr 62

189,999

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Chechuro, A. N., Kolesnik, I. L., and Yashin, Yu. F.
ELIMINATION OF FLUCTUATING COMBUSTION IN HOT BLAST STOVES. May 62.
Order from MT $6.50 MT Trans-231

Trans. of #Metallurg (USSR) 1961, v. 6, no. 9, p. 3-4.

DESCRIPTORS: *Blast furnaces, *Heaters, *Combustion.

(Metallurgy, TT, v. 8, no. 4)

62-17973

I. Chechuro, A. N.
II. Kolesnik, I. L.
III. Yashin, Yu. F.
IV. MT Trans-231
V. Tollemache, M. de G.
(Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

62-17974

Vinogradov, Yu. A.
IMPROVING THE OPERATION OF THE HOT-BLAST STOVES OF A BIG CAPACITY BLAST FURNACE.
May 62.
Order from: MT $4.50 MT Trans-252

Trans. of Metallurg (USSR) 1961, v. 5, no. 9, p. 5.

DESCRIPTORS: *Blast Furnaces, *Heaters, Operation.

(Metallurgy, TT, v. 5, no. 4)

1. Vinogradov, Yu. A
II. MT Trans-252
III. Foreign Tech. Div. (U.S. Air F.)

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Automation of the Casting of Steel Into Ingots, by V. D. Smolyarenko.

RUSSIAN, per, Metallurg, Vol VI, No 9, 1961, pp 20-22.

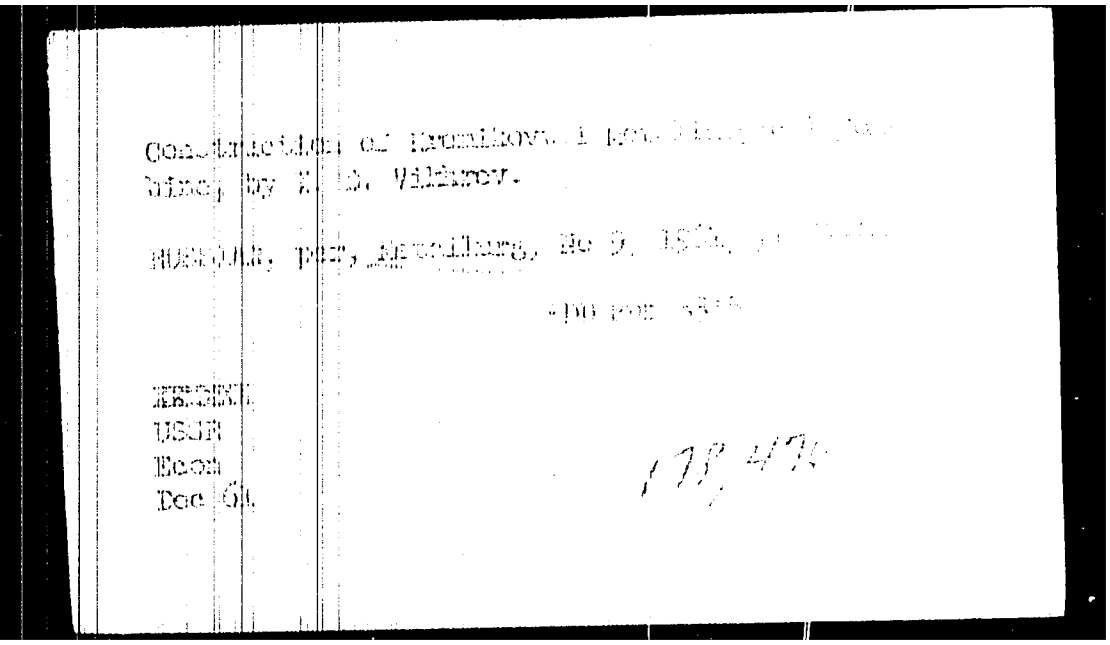
*MT 233

Sci

18 Sep 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3



Construction of Petroleum [illegible]
Mines, by E. D. Williams.

BUREAU, PET, Williams, E. D. 1[illegible]

[illegible] pp. [illegible]

PRESENT
USGR
Econ
Dec 61

17 47

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Errors in the Control of the Gas Flow and the Distribution of Materials in the Throat, by V. F. Pashinskiy.

RUSSIAN, per, Metallurg, Vol VI, No 10, 1961, pp 10-12.

MT 234

210,972

Sci

Sep 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Errors in the Control of the Gas and Flow and the Distribution of Materials in the Throat, by I. G. Polovchenko.

RUSSIAN, per, Metallurg, Vol VI, No 11, 1961, pp 3-6.

MT 236

Sci

14 Sep 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

The Change in the Parameters of Charging the Burden on Increasing the Gas [redacted] Pressure in the Shaft, by V. P. Tarasov.

RUSSIAN, per, Metallurg, Vol VI, No 12, 1961, pp 2-4.

MT 237

Sci

14 Sep 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

Control of the Tapping of Liquid Pig Iron by Means of a Travelling Magnetic Field, by L. A. Verte.

RUSSIAN, per, Metallurg, Vol VI, No 12, 1961, pp 6-8.

MT 238

Sci

14 Sep 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

The Effect of Mould Design on Crack Formation in Continuously Cast Billets, by V. P. Druzhinin, D. P. Evtyev, B. N. Ketomin.

RUSSIAN, per, Metallurg, Dec 1951, pp 12-15.

BISI 2654

Sci - Min/Metals

Jul 52

List 130

204, 811

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

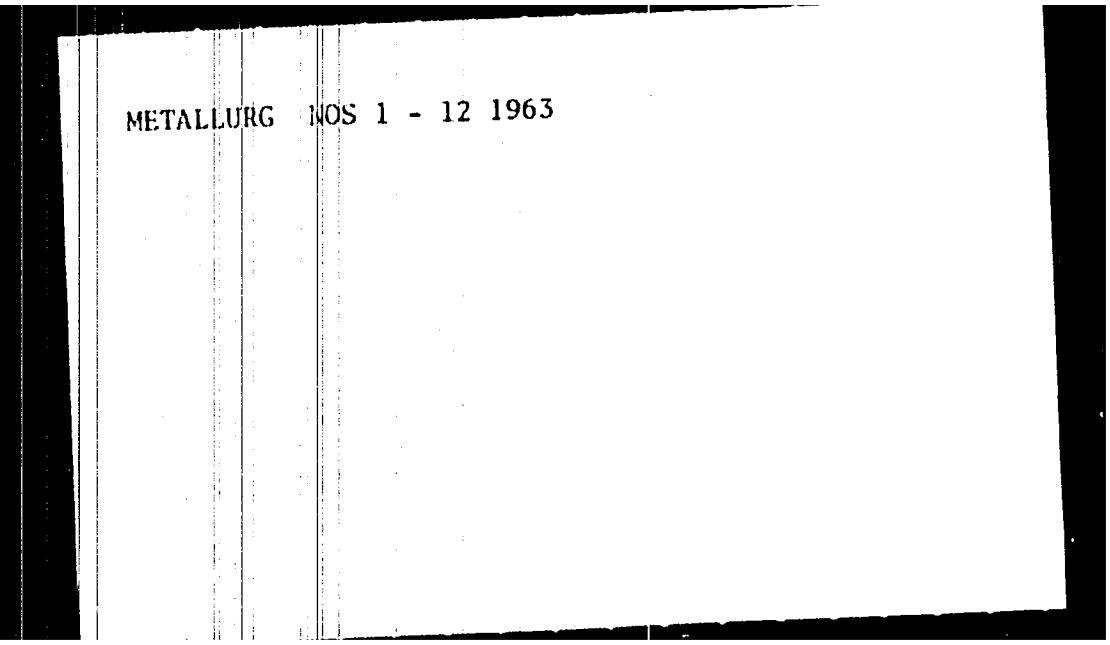
METALLURG NO. 1, 1962

COVER - COVER: ACTA METALLURGICA. NOT AVAIL. LY SER.

NOS. 2 THROUGH 12 1962, AVAILABLE LY SERIALS.

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3



APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230054-3

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METALLURG NOS. 1 THROUGH 8, 1964

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